ACT Profile Report - State

Graduating Class 2014

Pennsylvania



ACT, INC. -- CONFIDENTIAL

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Total Students in Report: 27,136

This report provides information about the performance of your 2014 graduating seniors who took the ACT as sophomores, juniors, or seniors; and self-reported at the time of testing that they were scheduled to graduate in 2014. Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included in the report.

This report focuses on:

Performance - student test performance in the context of college readiness

Access - number of your graduates exposed to college entrance testing and the percent of race/ethnicity participation

Course Selection - percent of students pursuing a core curriculum

Course Rigor - impact of rigorous coursework on achievement

College Readiness - percent of students meeting ACT College Readiness Benchmark Scores in each content area

Awareness - extent to which student aspirations match performance

Articulation - colleges and universities to which your students send test results

Each year, test data for a school, district, and the state represents a different cohort of students. ACT encourages educators to focus on trends (3, 5, 10 years), not year-to-year changes. Such changes can represent normal – even expected – fluctuations. On the other hand, trend lines offer more insight into what is happening in a school, district, or the state.

Furthermore, ACT encourages educators to measure student performance in the context of college readiness measures. The focus should be on the number and percentage of students who met or exceeded ACT's College Readiness Benchmark Scores, a measure that is much more meaningful and understandable than an average composite score for a group of students.

Total Students in Report: 27,136

The ACT is a curriculum-based measure of college readiness. ACT components include:

Tests of academic achievement in English, math, reading, science, and writing (optional) High school grade and course information Student Profile Section Career Interest Inventory

The ACT:

Every few years, ACT conducts the **ACT National Curriculum Survey** to ensure its curriculum-based assessment tools accurately measure the skills high school teachers teach and instructors of entry-level college courses expect. The ACT is the only college readiness test designed to reflect the results of such a survey.

ACT's **College Readiness Standards** are sets of statements intended to help students, parents and educators understand the meaning of test scores. The standards relate test scores to the types of skills needed for success in high school and beyond. They serve as a direct link between what students have learned and what they are ready to do next. The ACT is the only college readiness test for which scores can be tied directly to standards. *Connecting College Readiness Standards to the Classroom* interpretive guides can be found at <u>www.act.org/standard/infoserv.html</u>.

Only the ACT reports **College Readiness Benchmark Scores** – A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college courses, which include English Composition, Algebra, Social Science and Biology. These scores were empirically derived based on the actual performance of students in college. The College Readiness Benchmark Scores, updated in August of 2013, are:

College Course/Course Area	ACT Test	Benchmark Score
English Composition	English	18
Algebra	Mathematics	22
Social Sciences	Reading	22
Biology	Science	23

For more information, go to www.act.org

How to Improve Scores and Increase College Readiness

38% of your students met all four ACT College Readiness Benchmark Scores (Table 1.1). To improve students' scores and increase the percentage of students identified as college ready, ACT suggests:

PROVIDING ACCESS FOR ALL STUDENTS TO TAKE THE ACT: 27,136 of your students are included in this report (the 'cohort'). Increasing access insures that more students have the opportunity to consider college and allows the reader to use this report to evaluate how well courses and instructional programs are preparing students for college and work.

MAKING CORE CURRICULUM A PRIORITY: Emphasize the need for all students to develop college and work ready skills, regardless of postsecondary aspirations. 81% of the students in the cohort reported taking courses that would be considered 'Core or More' (Table 1.4).

MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES: Table 3.2 reports 2% of the cohort took less than three years of math courses. Of these students, 20% were college ready. 6% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 12% of these students were college ready. In comparison, 63% of the students who took 3 or more years of math beyond Algebra I, Algebra II, and Geometry were college ready. Getting more students ready for Algebra prior to 9th grade will increase the chances that students will be prepared for and take advanced-level math courses.

Similarly, Table 3.2 reports 4% of the cohort took less than three years of natural science courses. 21% of these students were college ready. In comparison, 50% of students who took at least three years of science coursework were college ready.

EVALUATING RIGOR OF COURSES: Table 2.6 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 34% of the cohort fall into the lowest three Mathematics score ranges. To increase these students' achievement, identify the standards they should focus on next by accessing ACT's College Readiness Standards at www.act.org/standard.

PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS: Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact ACT Customer Service at 319-337-1309 or customerservices@act.org.

ACT PROFILE REPORT - State: SECTION I, EXECUTIVE SUMMARY Graduating Class 2014

Total Students in Report: 27,136

Section I Executive Summary

Beginning in August of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included. Also beginning in August 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

To find the results of only standard time or extended time test takers, refer to Tables 1.7 and 1.8 on page 10.

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Graduating Class 2014

Total Students in Report: 27,136

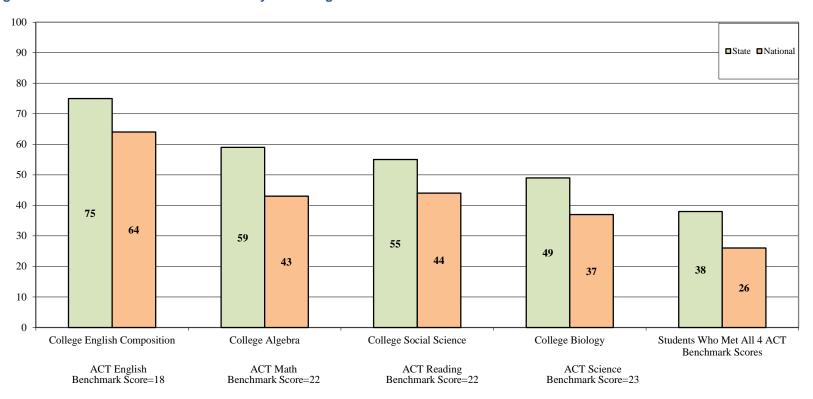


Figure 1.1. Percent of Your Students Ready for College-Level Coursework

A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college course.

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Total Students in Report: 27,136

	Number o	of Students	Percent Who Met Benchmarks									
	Tested		English		Mathematics		Reading		Science		Met All Four	
Year	State	National	State	National	State	National	State	National	State	National	State	National
2010	24,323	1,568,835	72	66	53	43	58	52	34	29	30	24
2011	24,280	1,623,112	75	66	58	45	62	52	37	30	33	25
2012	25,426	1,666,017	76	67	59	46	62	52	38	31	34	25
2013	26,171	1,799,243	77	64	61	44	57	44	47	36	38	26
2014	27,136	1,845,787	75	64	59	43	55	44	49	37	38	26

Table 1.1. Five Year Trends—Percent of Students Who Met College Readiness Benchmarks

Table 1.2. Five Year Trends—Average ACT Scores

	Number of	of Students				Average ACT Scores								
	Те	Tested		English		Mathematics		Reading		ence	Composite			
Year	State	National	State	National	State	National	State	National	State	National	State	National		
2010	24,323	1,568,835	21.3	20.5	22.1	21.0	22.1	21.3	21.4	20.9	21.9	21.0		
2011	24,280	1,623,112	21.9	20.6	22.6	21.1	22.6	21.3	21.8	20.9	22.3	21.1		
2012	25,426	1,666,017	22.0	20.5	22.7	21.1	22.7	21.3	21.9	20.9	22.4	21.1		
2013	26,171	1,799,243	22.2	20.2	23.0	20.9	23.0	21.1	22.2	20.7	22.7	20.9		
2014	27,136	1,845,787	22.1	20.3	22.8	20.9	23.0	21.3	22.2	20.8	22.7	21.0		

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

	Number of Students	Average ACT Scores							
Year	Tested	English	Mathematics	Reading	Science	Composite			
2010	1,568,835	20.5	21.0	21.3	20.9	21.0			
2011	1,623,112	20.6	21.1	21.3	20.9	21.1			
2012	1,666,017	20.5	21.1	21.3	20.9	21.1			
2013	1,799,243	20.2	20.9	21.1	20.7	20.9			
2014	1,845,787	20.3	20.9	21.3	20.8	21.0			

ACT PROFILE REPORT - State: SECTION I, EXECUTIVE SUMMARY Graduating Class 2014

Total Students in Report: 27,136

ſ										Average A	ACT Scores				
				Perc	cent ²	English		Mathematics		Reading		Science		Composite	
	Year	Core or More ¹	Less than Core	Core or More	Less than Core	Core or More	Less than Core								
ľ	2010	17,791	4,541	73	19	22.4	19.8	22.8	20.8	23.0	20.8	22.2	20.1	22.7	20.5
	2011	19,185	4,264	79	18	22.4	20.5	23.0	21.4	23.0	21.3	22.2	20.6	22.8	21.1
	2012	20,598	4,227	81	17	22.3	20.8	22.9	21.7	23.0	21.6	22.2	20.9	22.7	21.4
	2013	21,156	4,395	81	17	22.5	21.0	23.3	22.1	23.3	22.0	22.4	21.3	23.0	21.7
	2014	22,017	4,630	81	17	22.4	21.2	23.1	22.1	23.2	22.1	22.5	21.5	22.9	21.9

Table 1.4. Five Year Trends—Average ACT Scores by Level of Preparation

¹"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity

	20	2010		2	2011		2012		2013			2014			
	Ν	%	Avg	Ν	%	Avg	Ν	%	Avg	Ν	%	Avg	Ν	%	Avg
All Students	24,323	100	21.9	24,280	100	22.3	25,426	100	22.4	26,171	100	22.7	27,136	100	22.7
Black/African American	3,445	14	16.1	2,738	11	16.8	2,705	11	17.0	2,384	9	17.1	2,800	10	17.0
American Indian/Alaska Native	50	0	20.3	39	0	18.7	43	0	20.7	37	0	19.0	61	0	19.3
White	17,175	71	23.2	17,987	74	23.2	18,638	73	23.3	19,396	74	23.4	19,517	72	23.5
Hispanic/Latino	667	3	18.9	843	3	20.3	1,055	4	19.8	1,092	4	20.0	1,227	5	20.3
Asian	917	4	22.8	971	4	23.9	1,100	4	23.4	1,120	4	24.1	1,332	5	23.6
Native Hawaiian/Other Pacific Islander	0	0		7	0	22.9	28	0	20.6	27	0	20.9	29	0	22.2
Two or more races	483	2	20.7	507	2	21.1	591	2	21.5	674	3	22.0	741	3	21.6
Prefer not to respond/No response	1,586	7	21.3	1,188	5	22.4	1,266 5 23.6		1,441	6	23.8	1,429	5	23.4	

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Total Students in Report: 27,136

Table 1.6. Percent of Students in College Readiness Standards Score Ranges

CRS	English	Mathematics	Reading	Science
Range	(Benchmark = 18)	(Benchmark = 22)	(Benchmark = 22)	(Benchmark = 23)
1-12	100% 50% 0% 7% 13%	100% 50% 	100% 50% 0%	100% 50% - 0% - 4% 6%
13-15	100% 50% 0%	100% 50% 0%	100% 50% 0%	100% 50% 0%
16-19	100% 50% 0%	100% 50% 0%	100% 50% - 18% 22% 0%	100% 50% - 19% 24% 0%
20-23	100% 50% 25% 23% 0%	100% 50% 0%	100% 50% - 26% 24% 0%	100% 50% 0%
24-27	100% 50% 0%	100% 50% 28% 21%	100% 50% - 17% 14%	100% 50% - 26% 20% 0%
28-32	100% 50% 0%	100% 50% 0%	100% 50% - 19% 14% 0%	100% 50% 0%
33-36	100% 50% 0%	100% 50% 0% 5% 3%	100% 50% - 0% - 7% 5%	100% 50% 0%
% At or Above Benchmark	100% 50% 0%	100% 50% - 59% 43%	100% 50% 0%	100% 50% - 49% 37% 0%
		= State	= National	

ACT PROFILE REPORT- State: SECTION II, ACADEMIC ACHIEVEMENT

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Total Students in Report: 27,136

ſ	Student Group	Test Session				Aver	age ACT Sco	ores	
	Student Group	Duration	Ν	Percent	English	Mathematics	Reading	Science	Composite
ſ		Standard Time	26,301	97	22.2	22.9	23.0	22.3	22.7
	State	Extended Time	835	3	19.9	20.3	21.9	20.6	20.8
		Total	27,136	100	22.1	22.8	23.0	22.2	22.7
ſ		Standard Time	1,769,033	96	20.5	21.0	21.4	20.9	21.1
	National	Extended Time	76,754	4	16.2	17.8	18.5	18.1	17.8
		Total	1,845,787	100	20.3	20.9	21.3	20.8	21.0

Table 1.7. Average ACT College Reportable Scores by Test Session Duration

Table 1.8. Percent of Students Who Met College Readiness Benchmark Scores by Test Session Duration

Student Group	Test Session		Per	cent of Stude	ents	Met
Student Grou	Duration	English	Mathematics	Reading	Science	All Four
	Standard Time	76	60	56	49	38
State	Extended Time	61	39	50	37	28
	Total	75	59	55	49	38
	Standard Time	65	44	45	37	27
National	Extended Time	37	21	30	21	15
	Total	64	43	44	37	26

Total Students in Report: 27,136

Section II Academic Achievement

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included. Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

ACT PROFILE REPORT- State: SECTION II, ACADEMIC ACHIEVEMENT Graduating Class 2014

Total Students in Report: 27,136

ACT Scale	Eng	lish	Mathe	matics	Rea	ding	Scie	ence	Com	posite	ACT Scale
Score	N	CP	Ν	CP	N	СР	N	СР	Ν	CP	Score
36	110	100	122	100	270	100	255	100	33	100	36
35	520	100	295	100	320	99	285	99	140	100	35
34	636	98	464	98	657	98	368	98	297	99	34
33	635	95	455	97	775	95	338	97	466	98	33
32	546	93	436	95	1,157	93	353	95	577	97	32
31	606	91	526	93	1,010	88	591	94	693	94	31
30	888	89	676	92	1,047	85	522	92	877	92	30
29	718	85	1,147	89	928	81	348	90	1,038	89	29
28	934	83	1,440	85	986	77	811	89	1,257	85	28
27	1,083	79	1,536	80	1,040	74	1,511	86	1,436	80	27
26	1,200	75	2,038	74	1,123	70	1,287	80	1,571	75	26
25	1,574	71	2,049	66	1,145	66	2,162	75	1,750	69	25
24	1,818	65	2,018	59	1,320	61	2,163	67	1,856	63	24
23	1,540	58	1,549	51	1,907	57	2,233	59	1,898	56	23
22	1,782	53	1,285	46	1,365	50	2,146	51	1,855	49	22
21	1,835	46	1,071	41	2,308	45	1,859	43	1,791	42	21
20	1,725	39	1,048	37	1,505	36	1,793	36	1,643	35	20
19	1,298	33	1,074	33	1,460	30	1,781	30	1,481	29	19
18	958	28	1,581	29	1,278	25	1,415	23	1,362	24	18
17	907	25	1,910	23	1,098	20	1,136	18	1,247	19	17
16	1,057	21	2,145	16	926	16	871	14	1,060	14	16
15	1,259	18	1,308	8	853	13	625	11	896	10	15
14	875	13	555	4	781	10	612	8	761	7	14
13	600	10	249	2	712	7	485	6	514	4	13
12	502	7	89	1	514	4	379	4	346	2	12
11	507	6	43	1	343	2	293	3	182	1	11
10	426	4	11	1	122	1	223	2	57	1	10
9	265	2	7	1	86	1	131	1	28	1	9
8	185	1	2	1	30	1	93	1	11	1	8
7	91	1	3	1	39	1	24	1	8	1	7
6	29	1	3	1	13	1	15	1	4	1	6
5	15	1	0	1	8	1	10	1	1	1	5
4	6	1	1	1	7	1	10	1	0	1	4
3	4	1	0	1	1	1	4	1	0	1	3
2	2	1	0	1	1	1	1	1	0	1	2
1	0	1	0	1	1	1	3	1	0	1	1
Avg (SD)	22.1	(6.5)	22.8	(5.5)	23.0	(6.3)	22.2	(5.5)	22.7	Avg (SD)	

¹CP is the cumulative percent of students at or below a score point.

Note: Shaded portions of columns identify the students who met/exceeded the ACT College Readiness Benchmark Scores.

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Total Students in Report: 27,136

Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP ¹), and Subscore Averages								
		English	Reading	Mathematics				

	English					Rea	ding				Mathem	atics						
					Social St				Pre/Elem		Algebra/ Co		Plane Ge					
ACT Scale	Usage/ Med	1	Rhetorica	1	Scien	1	Arts/ Lite	1	Algel	1	Geom	· ·	Trigonometry		ACT Scale			
Score	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	Ν	CP	Score			
18	1,635	100	401	100	907	100	1,309	100	1,716	100	343	100	350	100	18			
17	2,005	94	621	99	1,840	97	2,211	95	1,826	94	603	99	217	99	17			
16	1,450	87	1,467	96	2,193	90	2,235	87	2,183	87	1,005	97	1,698	98	16			
15	1,722	81	2,349	91	1,539	82	1,849	79	1,859	79	2,228	93	2,465	92	15			
14	1,433	75	2,524	82	2,738	76	1,873	72	2,546	72	3,107	85	2,509	83	14			
13	2,350	70	2,759	73	2,388	66	2,352	65	3,215	63	3,321	73	3,262	73	13			
12	2,170	61	3,092	63	2,356	57	2,700	56	2,904	51	3,750	61	2,950	61	12			
11	2,469	53	3,173	51	2,560	49	2,509	46	1,844	40	2,340	47	3,246	50	11			
10	2,795	44	2,432	40	2,545	39	1,993	37	1,790	33	3,656	38	2,649	38	10			
9	2,375	34	2,614	31	1,971	30	2,579	30	1,818	27	2,161	25	2,884	29	9			
8	1,715	25	2,084	21	2,487	22	1,484	20	2,040	20	2,176	17	1,995	18	8			
7	1,330	18	1,125	13	1,521	13	1,528	15	1,852	13	1,031	9	1,135	11	7			
6	1,354	14	911	9	1,018	8	957	9	870	6	628	5	768	7	6			
5	1,083	9	789	6	543	4	992	6	379	2	378	3	356	4	5			
4	673	5	511	3	242	2	360	2	190	1	140	2	271	2	4			
3	383	2	223	1	125	1	154	1	78	1	203	1	190	1	3			
2	170	1	54	1	105	1	43	1	24	1	7	1	106	1	2			
1	24	1	7	1	58	1	8	1	2	1	59	1	85	1	1			
Avg (SD)	11.3 (4	.0)	11.2 (3.3)	11.6 (3	3.6)	11.8 (3.8)	12.1 (3.6)	11.5 (3	3.0)	11.3 (3.1)	Avg (SD)			

¹CP is the cumulative percent of students at or below a score point.

Table 2.3. ACT Score Quartile Values

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	26	27	28	25	27
Q2 (50th Percentile)	22	23	23	22	23
Q1 (25th Percentile)	18	18	18	19	19

Total Students in Report: 27,136

Table 2.4. Average ACT Composite Scores for Race/Ethnicity by Level of Preparation

Student		Number of Students	Percent Taking	Average ACT C	omposite Score
Group	Race/Ethnicity	Tested	Core or More ¹	Core or More	Less Than Core
	All Students	27,136	81	22.9	21.9
	Black/African American	2,800	73	17.3	16.4
	American Indian/Alaska Native	61	75	20.0	17.6
	White	19,517	84	23.6	23.2
State	Hispanic/Latino	1,227	78	20.7	18.9
	Asian	1,332	72	24.1	22.7
	Native Hawaiian/Other Pac. Isl.	29	83	22.8	20.8
	Two or more races	741	82	21.8	21.1
	Prefer not/No Response	1,429	73	24.1	22.9
	All Students	1,845,787	73	21.8	18.9
	Black/African American	241,678	68	17.6	15.7
	American Indian/Alaska Native	14,263	62	19.0	16.5
	White	1,038,435	76	23.1	20.2
National	Hispanic/Latino	281,216	71	19.5	17.3
	Asian	80,370	79	24.2	21.6
	Native Hawaiian/Other Pac. Isl.	5,676	65	20.0	16.6
	Two or more races	70,013	74	22.0	19.2
	Prefer not/No Response	114,136	56	22.6	18.5

¹"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

Table 2.5. Average ACT Scores by Race/Ethnicity

Student						
Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
	All Students	22.1	22.8	23.0	22.2	22.7
	Black/African American	15.7	17.7	17.4	16.9	17.0
	American Indian/Alaska Native	17.8	20.1	19.4	19.6	19.3
	White	23.1	23.5	23.9	23.1	23.5
State	Hispanic/Latino	19.4	20.5	20.8	20.0	20.3
	Asian	22.7	25.4	22.7	23.0	23.6
	Native Hawaiian/Other Pac. Isl.	22.0	21.8	22.8	21.6	22.2
	Two or more races	20.8	21.6	22.1	21.4	21.6
	Prefer not/No Response	23.1	23.3	23.9	22.6	23.4
	All Students	20.3	20.9	21.3	20.8	21.0
	Black/African American	15.8	17.2	17.3	17.0	17.0
	American Indian/Alaska Native	16.6	18.1	18.4	18.3	18.0
	White	22.0	22.0	22.8	22.1	22.3
National	Hispanic/Latino	17.7	19.2	19.1	18.8	18.8
	Asian	22.8	24.9	22.8	23.2	23.5
	Native Hawaiian/Other Pac. Isl.	17.5	19.2	18.7	18.6	18.6
	Two or more races	20.6	20.9	21.7	21.0	21.2
	Prefer not/No Response	20.0	20.7	21.1	20.5	20.7

ACT PROFILE REPORT- State: SECTION II, ACADEMIC ACHIEVEMENT

Graduating Class 2014

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Total Students in Report: 27,136

Student	CRS		lish		matics	Rea	ding	Scie	ence
Group	Range	Ν	%	N	%	N	%	N	%
	33 to 36	1,901	7	1,336	5	2,022	7	1,246	5
	28 to 32	3,692	14	4,225	16	5,128	19	2,625	10
	24 to 27	5,675	21	7,641	28	4,628	17	7,123	26
State	20 to 23	6,882	25	4,953	18	7,085	26	8,031	30
	16 to 19	4,220	16	6,710	25	4,762	18	5,203	19
	13 to 15	2,734	10	2,112	8	2,346	9	1,722	6
	01 to 12	2,032	7	159	1	1,165	4	1,186	4
	33 to 36	92,922	5	55,103	3	97,714	5	55,222	3
	28 to 32	185,768	10	174,260	9	257,722	14	128,357	7
	24 to 27	302,723	16	383,630	21	263,034	14	367,160	20
National	20 to 23	431,178	23	336,283	18	445,726	24	542,581	29
	16 to 19	330,518	18	616,601	33	409,685	22	448,064	24
	13 to 15	264,127	14	266,401	14	240,948	13	186,262	10
	01 to 12	238,551	13	13,509	1	130,958	7	118,141	6

Table 2.6. Percent of Students in College Readiness Standards (CRS) Score Ranges

Table 2.7. Average ACT Scores by Gender

Student Group	Gender			Average ACT Scores								
Student Group	Gender	Ν	Percent	English	Mathematics	Reading	Science	Composite				
	Males	11,856	44	22.0	23.7	22.9	22.9	23.0				
State	Females	15,280	56	22.2	22.1	23.0	21.7	22.4				
	Missing	0	0									
	Males	856,651	46	20.0	21.4	21.1	21.2	21.1				
National	Females	977,127	53	20.7	20.5	21.5	20.5	20.9				
	Missing	12,009	1	15.7	17.8	17.3	17.4	17.2				

Table 2.8. Percent of Students Who Met College Readiness Benchmark Scores by Gender

Student Group	Gender		Met			
Student Group	Gender	English	Mathematics	Reading	Science	All Four
State	Males	75	65	55	54	42
State	Females	76	55	56	45	35
National	Males	62	47	43	40	29
National	Females	66	40	45	34	25

ACT PROFILE REPORT- State: SECTION II, ACADEMIC ACHIEVEMENT Graduating Class 2014

English **Mathematics** Reading Science Composite Student Curriculum Ν CRB %⁴ Taken¹ Group CRB % Avg CRB % Ava CRB % Avg CRB % Avg Avg Core or More² 39 22,017 77 22.4 61 23.1 57 23.2 50 22.5 22.9 State Less than Core 4,630 68 21.2 52 22.1 50 22.1 44 21.5 34 21.9 Missing³ 489 48 23 33 22 15 18.5 17.5 18.4 19.0 18.7 22.2 Core or More 1,347,997 71 21.4 50 21.7 50 42 21.6 31 21.8 Less than Core 18.9 National 405,073 48 17.9 27 18.9 30 19.2 23 18.9 15 36 23 Missing 92,717 16.0 18 17.7 17.7 16 17.6 10 17.4

Table 2.9. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Overall High School Curriculum

"Curriculum Taken" reflects overall high school curriculum in this table.

² "Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

³ Zero years or no coursework information reported in one or more content areas.

⁴ Composite CRB% results reflect students who met all four subject-area benchmarks.

Table 2.10.	College Readines	Benchmark (CRE	B) Percent and Avera	ae ACT Scores b	y Content-Specific Curriculum	
	oonogo nouunioo					

Student	Curriculum		English			lathematic	s	Reading			Science		
Group	Taken ¹	Ν	CRB %	Avg	Ν	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
	Core or More ²	26,236	76	22.2	26,215	60	23.0	23,244	56	23.0	25,658	50	22.5
State	Less than Core	440	53	18.2	457	20	18.1	3,425	54	22.9	1,012	21	18.6
	Missing ³	460	50	17.7	464	23	18.4	467	33	19.1	466	22	18.7
	Core or More	1,676,095	67	20.8	1,686,194	46	21.3	1,580,108	47	21.7	1,538,158	41	21.4
National	Less than Core	88,420	36	15.9	74,627	8	16.4	180,385	32	19.4	220,701	17	18.1
	Missing	81,272	38	16.3	84,966	19	17.8	85,294	24	17.8	86,928	17	17.7

"Curriculum Taken" reflects content-specific curriculum in this table.

² "Core or More" results correspond to students taking four or more years of English or three or more years of math, social studies, or natural science, respectively.

For instance, Reading "Core or More" results correspond to students taking three or more years of social studies, regardless of courses taken in other content areas.

³ Zero years or no coursework information reported in the specified content area.

Total Students in Report: 27,136

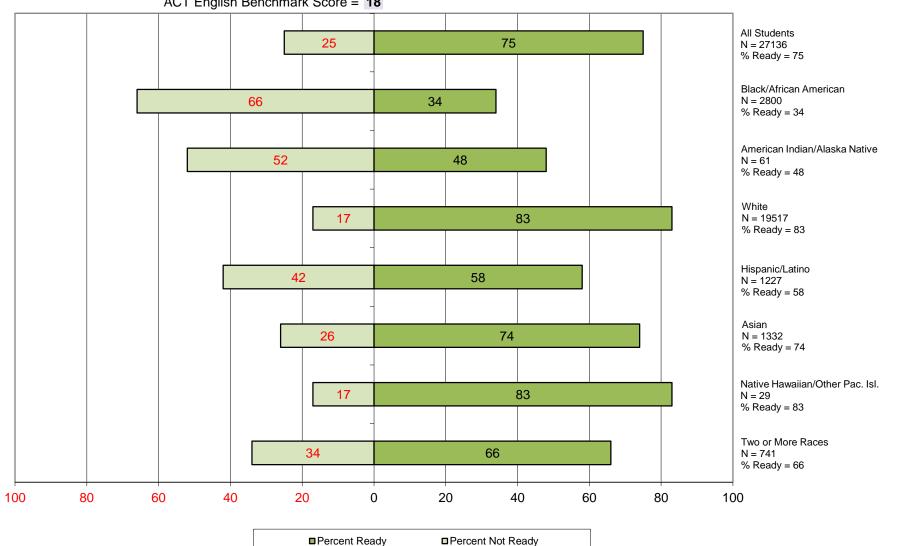
Section III College Readiness and the Impact of Course Rigor

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included. Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

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Total Students in Report: 27,136

Figure 3.1. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ENGLISH

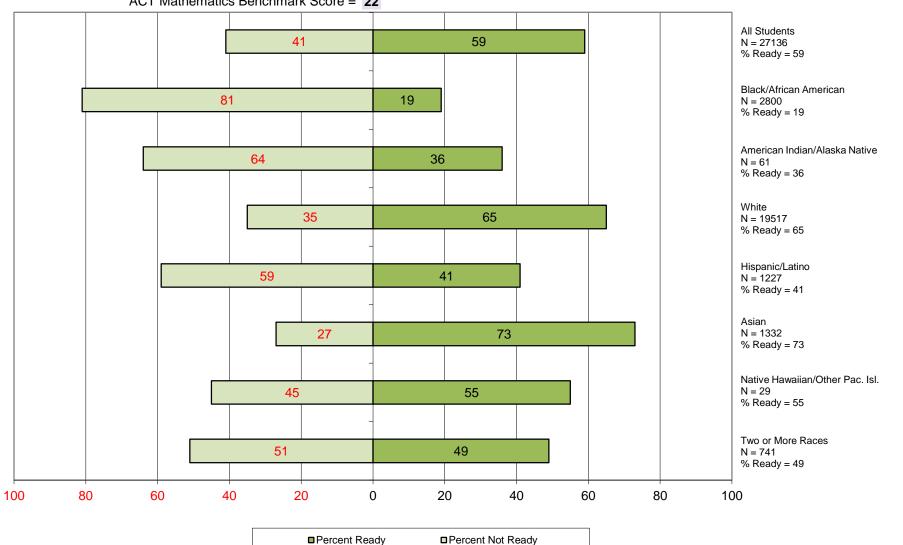


ACT English Benchmark Score = 18

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Total Students in Report: 27,136

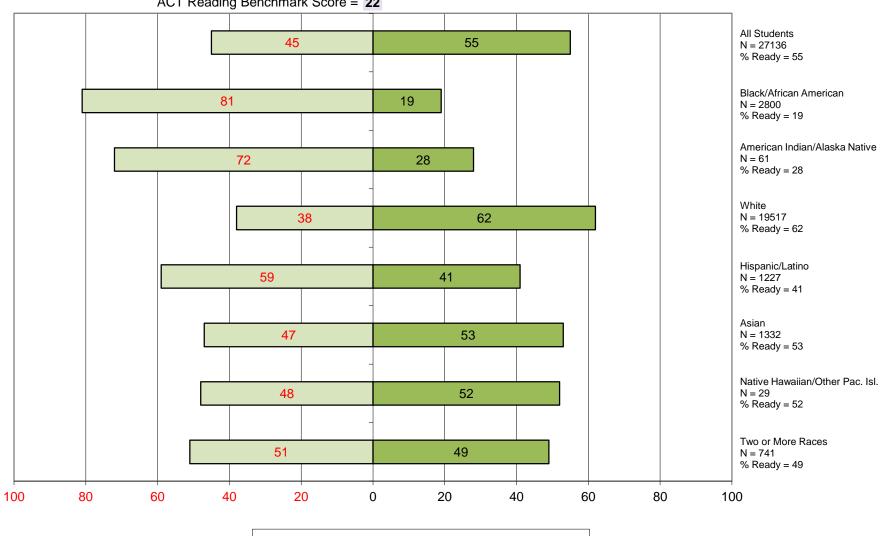
Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS



ACT Mathematics Benchmark Score = 22

Total Students in Report: 27,136

Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING



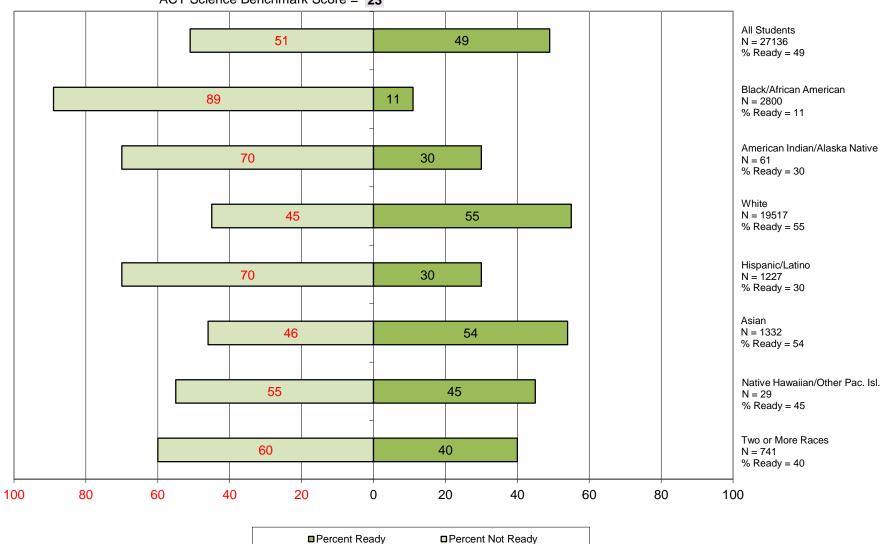
ACT Reading Benchmark Score = 22

Percent Ready Percent Not Ready

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Total Students in Report: 27,136

Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

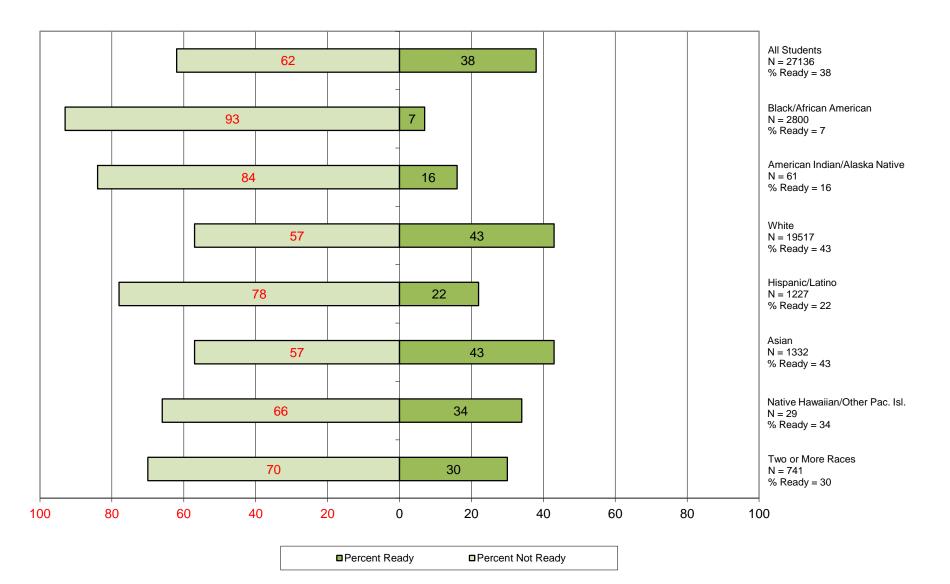


ACT Science Benchmark Score = 23

Percent Not Ready

Total Students in Report: 27,136

Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



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Total Students in Report: 27,136

Table 3.1. Average ACT Scores and Average ACT Score Changes by Common Course Patterns

Course Pattern		All	Students				Males			F	emales	
			ACT	Course Value			ACT	Course Value			ACT	Course Value
ENGLISH COURSE PATTERN	Ν	Percent	English	Added ¹	N	Percent	English	Added ¹	Ν	Percent	English	Added ¹
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	5,536	20	22.6	4.4	2,303	19	22.2	4.1	3,233	21	22.8	4.5
Eng 9, Eng 10, Eng 11, Eng 12	20,700	76	22.1	3.9	9,099	77	22.1	4.0	11,601	76	22.2	3.9
Less than 4 years of English	440	2	18.2	-	201	2	18.1	-	239	2	18.3	-
Zero years / no English courses reported	460	2	17.7	-	253	2	17.4	-	207	1	18.0	-
			ACT	Course Value			ACT	Course Value			ACT	Course Value
MATHEMATICS COURSE PATTERN	Ν	Percent	Math	Added ¹	N	Percent	Math	Added ¹	Ν	Percent	Math	Added ¹
Alg 1, Alg 2, Geom, Trig, & Calc	3,624	13	24.8	6.7	1,508	13	25.5	6.5	2,116	14	24.2	6.7
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,547	9	21.7	3.6	880	7	22.2	3.2	1,667	11	21.4	3.9
Alg 1, Alg 2, Geom, & Trig	1,994	7	19.8	1.7	740	6	20.2	1.2	1,254	8	19.5	2.0
Alg 1, Alg 2, Geom, & Other Adv Math	2,648	10	19.4	1.3	951	8	19.5	0.5	1,697	11	19.3	1.8
Other comb of 4 or more years of Math	12,730	47	24.8	6.7	6,241	53	25.6	6.6	6,489	42	24.1	6.6
Alg 1, Alg 2, & Geom	1,511	6	17.2	-0.9	588	5	17.5	-1.5	923	6	16.9	-0.6
Other comb of 3 or 3.5 years of Math	1,161	4	21.3	3.2	502	4	21.9	2.9	659	4	20.9	3.4
Less than 3 years of Math	457	2	18.1	-	192	2	19.0	-	265	2	17.5	-
Zero years / no Math courses reported	464	2	18.4	-	254	2	18.8	-	210	1	18.0	-
			ACT	Course Value			ACT	Course Value			ACT	Course Value
SOCIAL SCIENCE COURSE PATTERN	Ν	Percent	Reading	Added ¹	N	Percent	Reading	Added ¹	Ν	Percent	Reading	Added ¹
US Hist, World Hist, Am Gov, & Other Hist	1,916	7	23.2	0.3	960	8	23.0	0.3	956	6	23.4	0.4
Other comb of 4 or more years Social Science	13,081	48	23.0	0.1	5,711	48	23.0	0.3	7,370	48	23.0	0.0
US Hist, World Hist, & Am Gov	1,432	5	21.9	-1.0	660	6	22.0	-0.7	772	5	21.9	-1.1
Other comb of 3 or 3.5 years of Social Science	6,815	25	23.3	0.4	2,818	24	23.3	0.6	3,997	26	23.3	0.3
Less than 3 years of Social Science	3,425	13	22.9	-	1,453	12	22.7	-	1,972	13	23.0	-
Zero years / no Social Science courses reported	467	2	19.1	-	254	2	18.8	-	213	1	19.4	-
			ACT	Course Value			ACT	Course Value			ACT	Course Value
NATURAL SCIENCE COURSE PATTERN	N	Percent	Science	Added ¹	N	Percent	Science	Added ¹	N	Percent	Science	Added ¹
Gen Sci ² , Bio, Chem, & Phys	17,405	64	22.9	4.3	8,109	68	23.6	5.3	9,296	61	22.2	3.4
Bio, Chem, Phys	3,067	11	24.0	5.4	1,339	11	25.0	6.7	1,728	11	23.2	4.4
Gen Sci ² , Bio, Chem	4,925	18	20.1	1.5	1,602	14	19.6	1.3	3,323	22	20.3	1.5
Other comb of 3 years of Natural Science	261	1	19.8	1.2	130	1	20.1	1.8	131	1	19.5	0.7
Less than 3 years of Natural Science	1,012	4	18.6	-	418	4	18.3	-	594	4	18.8	-
Zero years / no Natural Science courses reported	466	2	18.7	-	258	2	18.9	-	208	1	18.5	-

¹Course value added is defined as the average ACT score change compared to course sequences in which students took

less than four years of English or less than three years of Mathematics, Social Science or Natural Science.

²Includes General, Physical and Earth Sciences.

Graduating Class 2014

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Total Students in Report: 27,136

Table 3.2. College Readiness Percents by Common Course Patterns

Course Pattern			State		National				
		Percent Taking	Avg ACT	Percent Who Met		Percent Taking	Avg ACT	Percent Who Met	
ENGLISH COURSE PATTERN	Ν	Pattern	English	Benchmark	Ν	Pattern	English	Benchmark	
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	5,536	20	22.6	77	370,875	20	21.7	73	
Eng 9, Eng 10, Eng 11, Eng 12	20,700	76	22.1	76	1,305,220	71	20.5	65	
Less than 4 years of English	440	2	18.2	53	88,420	5	15.9	36	
Zero years / no English courses reported	460	2	17.7	50	81,272	4	16.3	38	
	N	Percent Taking Pattern	Avg ACT Math	Percent Who Met Benchmark	N	Percent Taking Pattern	Avg ACT Math	Percent Who Met Benchmark	
MATHEMATICS COURSE PATTERN									
Alg 1, Alg 2, Geom, Trig, & Calc	3,624	13	24.8	77	118,677	6	23.8	67	
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,547	9	21.7	53	157,764	9	21.8	55	
Alg 1, Alg 2, Geom, & Trig	1,994	7	19.8	34	120,160	7	19.3	30	
Alg 1, Alg 2, Geom, & Other Adv Math	2,648	10	19.4	31 74	356,555	19	19.4	31	
Other comb of 4 or more years of Math	12,730	47	24.8		622,896	34	23.7 17.1	65 11	
Alg 1, Alg 2, & Geom	1,511	6	17.2	12	220,037	12			
Other comb of 3 or 3.5 years of Math	1,161 457	4	21.3 18.1	48 20	90,105 74,627	5 4	19.8 16.4	35 8	
Less than 3 years of Math	-	2	18.4	20	,	-	16.4	-	
Zero years / no Math courses reported	464	2	10.4	23	84,966	5	17.0	19	
		Percent Taking	Avg ACT	Percent Who Met		Percent Taking	Avg ACT	Percent Who Met	
SOCIAL SCIENCE COURSE PATTERN	N	Pattern	Reading	Benchmark	N	Pattern	Reading	Benchmark	
US Hist, World Hist, Am Gov, & Other Hist	1,916	7	23.2	56	48,992	3	22.3	50	
Other comb of 4 or more years Social Science	13,081	48	23.0	56	921,129	50	22.2	50	
US Hist, World Hist, & Am Gov	1,432	5	21.9	47	105,110	6	19.6	33	
Other comb of 3 or 3.5 years of Social Science	6,815	25	23.3	58	504,877	27	21.3	43	
Less than 3 years of Social Science	3,425	13	22.9	54	180,385	10	19.4	32	
Zero years / no Social Science courses reported	467	2	19.1	33	85,294	5	17.8	24	
		Percent Taking	Avg ACT	Percent Who Met		Percent Taking	Avg ACT	Percent Who Met	
NATURAL SCIENCE COURSE PATTERN	N	Pattern	Science	Benchmark	N	Pattern	Science	Benchmark	
Gen Sci ¹ , Bio, Chem, & Phys	17,405	64	22.9	54	781,043	42	22.1	46	
Bio, Chem, Phys	3,067	11	24.0	63	199,419	11	23.1	54	
Gen Sci ¹ , Bio, Chem	4,925	18	20.1	30	505,460	27	20.0	28	
Other comb of 3 years of Natural Science	261	1	19.8	27	52,236	3	19.2	24	
Less than 3 years of Natural Science	1,012	4	18.6	21	220,701	12	18.1	17	
Zero years / no Natural Science courses reported	466	2	18.7	22	86,928	5	17.7	17	

¹Includes General, Physical and Earth Sciences.

Section IV Career and Educational Aspirations

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included. Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

ACT PROFILE REPORT - State: SECTION IV, CAREER AND EDUCATIONAL ASPIRATIONS

Graduating Class 2014

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Total Students in Report: 27,136

Table 4.1. Distribution of Planned Educational Majors for All Students by College Plans

		All Students		Plan on 2	Years or Less	of College	Plan on 4	Years or More	of College
Planned Educational Major	N ¹	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp
Agriculture & Natural Resources Conservation	233	1	21.6	10	3	18.2	201	1	21.8
Architecture	238	1	22.1	0	0		211	1	22.3
Area, Ethnic, & Multidisciplinary Studies	40	0	23.7	0	0		34	0	24.4
Arts: Visual & Performing	1,129	4	21.4	22	6	15.6	942	4	21.8
Business	3,402	13	22.1	64	17	17.7	2,951	13	22.4
Communications	792	3	21.9	3	1	20.0	701	3	21.8
Community, Family, & Personal Services	304	1	18.7	14	4	15.4	246	1	19.3
Computer Science & Mathematics	767	3	24.2	12	3	17.0	676	3	24.5
Education	1,319	5	20.6	10	3	16.3	1,188	5	20.7
Engineering	2,855	11	25.5	18	5	16.3	2,584	11	25.6
Engineering Technology & Drafting	216	1	20.6	12	3	14.1	173	1	21.6
English & Foreign Languages	326	1	24.8	0	0		292	1	24.9
Health Administration & Assisting	568	2	19.0	24	6	15.8	452	2	19.6
Health Sciences & Technologies	4,960	18	22.2	78	21	17.5	4,455	19	22.5
Philosophy, Religion, & Theology	91	0	23.1	1	0	16.0	80	0	23.1
Repair, Production, & Construction	64	0	16.6	20	5	16.6	30	0	17.4
Sciences: Biological & Physical	2,896	11	24.6	12	3	17.5	2,645	11	24.7
Social Sciences & Law	2,301	8	22.4	13	3	14.6	2,041	9	22.7
Undecided	4,278	16	22.6	64	17	17.1	3,276	14	22.7
No Response	355	1	19.0	2	1	21.0	71	0	20.3

¹2-Year and 4-Year "N" counts do not reflect "Missing" and "Other" college plans, therefore they may not add up to the N count for All Students.

²Percent of students tested within College Plan groups (All Students, 2-Year, 4-Year).

ACT PROFILE REPORT - State: SECTION IV, CAREER AND EDUCATIONAL ASPIRATIONS Graduating Class 2014

Total Students in Report: 27,136

Table 4.2. Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations

Educational Degree	All Racial/Ethnic Groups Combined		Black/African American		American India	n/ Alaska Native	W	nite	Hispanic/Latino	
Aspirations	Ν	Average	Ν	Average	N	Average	N	Average	N Average	
Voc-Tech	112	17.3	30	15.0	0		53	18.9	2	14.0
2-yr College Degree	267	16.7	35	14.1	2	13.0	173	17.7	17	15.8
Bachelors Degree	10,812	21.1	1,001	16.0	25	18.6	8,417	21.9	463	19.0
Graduate Study	6,077	24.4	330	19.1	11	21.9	4,854	24.8	226	23.0
Prof. Level Degree	6,361	24.8	663	19.4	15	20.5	4,295	25.5	311	22.4
Other	251	20.0	51	14.4	0		131	22.2	19	17.8
No Response	3,256	21.4	690	15.7	8	17.6	1,594	24.1	189	17.5

Educational Degree	All Racial/Ethnic Groups Combined		Asian			lawaiian/ ific Islander	Two or m	ore races	Prefer not to respond/ No Response		
Aspirations	Ν	Average	Ν	Average	N	Average	N	Average	N	Average	
Voc-Tech	112	17.3	23	17.5	0		1	15.0	3	14.3	
2-yr College Degree	267	16.7	21	13.4	0		4	20.0	15	15.7	
Bachelors Degree	10,812	21.1	277	20.9	9	21.0	270	19.8	350	21.0	
Graduate Study	6,077	24.4	247	24.7	3	23.0	136	23.9	270	24.8	
Prof. Level Degree	6,361	24.8	501	26.3	12	23.6	207	24.0	357	26.0	
Other	251	20.0	23	19.5	0		10	20.7	17	22.4	
No Response	3,256	21.4	240	21.7	5	20.8	113	19.1	417	22.6	

ACT PROFILE REPORT - State: SECTION IV, CAREER AND EDUCATIONAL ASPIRATIONS Graduating Class 2014

Total Students in Report: 27,136

Table 4.3. Students' Score Report Preferences at Time of Testing

							Percent of Students in					
			Number of Students			College Readiness Standards Ranges						
				2nd-6th								
Name	State	Total	1st Choice	Choice	01-12			20-23		28-32		
PENN STATE-UNIVERSITY PARK CAMPUS	Pennsylvania	2,782	938	1,844	1	5	16	29	31	16	2	
UNIVERSITY OF PITTSBURGH	Pennsylvania	2,430	972	1,458	0	2	9	25	37	23	3	
TEMPLE UNIVERSITY	Pennsylvania	1,328	448	880	2	10	23	31	23	11	1	
WEST CHESTER UNIVERSITY OF PENNSYLVANIA	Pennsylvania	944	244	700	3	8	28	36	20	5	0	
DREXEL UNIVERSITY	Pennsylvania	912	213	699	1	4	13	27	33	20	2	
DUQUESNE UNIVERSITY	Pennsylvania	760	247	513	0	2	13	35	37	13	1	
INDIANA UNIVERSITY OF PENNSYLVANIA	Pennsylvania	737	189	548	3	14	35	32	13	4	0	
UNIVERSITY OF PENNSYLVANIA	Pennsylvania	710	286	424	1	3	6	19	28	33	11	
SLIPPERY ROCK UNIVERSITY OF PENN	Pennsylvania	691	239	452	1	12	37	29	18	3	0	
BLOOMSBURG UNIVERSITY OF PENNSYLVANIA	Pennsylvania	680	209	471	3	16	33	32	12	3	0	
NCAA ELIGIBILITY CENTER	Indiana	538	311	227	3	9	25	31	21	11	1	
KUTZTOWN UNIVERSITY OF PENNSYLVANIA	Pennsylvania	486	119	367	4	19	35	27	12	3	1	
SHIPPENSBURG UNIVERSITY OF PENNSYLVANIA	Pennsylvania	450	106	344	5	19	32	28	13	3	0	
WEST VIRGINIA UNIVERSITY	West Virginia	443	161	282	1	5	19	34	28	12	0	
UNIVERSITY OF DELAWARE	Delaware	442	85	357	1	2	7	25	37	23	4	
MILLERSVILLE UNIVERSITY OF PENNSYLVANIA	Pennsylvania	420	109	311	3	15	27	34	17	4	0	
EDINBORO UNIVERSITY OF PENNSYLVANIA	Pennsylvania	409	154	255	5	18	35	26	12	4	0	
ROBERT MORRIS UNIVERSITY	Pennsylvania	400	106	294	1	8	29	33	20	9	0	
GANNON UNIVERSITY	Pennsylvania	367	131	236	5	11	24	31	22	7	1	
LEHIGH UNIVERSITY	Pennsylvania	337	75	262	0	2	5	15	38	31	7	
CARNEGIE MELLON UNIVERSITY	Pennsylvania	325	107	218	0	0	5	14	26	40	14	
OHIO STATE UNIVERSITY THE	Ohio	324	90	234	1	2	10	28	38	19	2	
CALIFORNIA UNIVERSITY OF PENNSYLVANIA	Pennsylvania	316	112	204	3	19	35	26	10	7	0	
VILLANOVA UNIVERSITY	Pennsylvania	309	74	235	1	4	9	25	31	26	5	
EAST STROUDSBURG UNIVERSITY OF PENN	Pennsylvania	285	79	206	4	13	37	33	11	2	0	
YORK COLLEGE OF PENNSYLVANIA	Pennsylvania	264	93	171	0	5	24	41	22	7	0	
UNIVERSITY OF MARYLAND COLLEGE PARK	Maryland	256	51	205	1	1	6	18	39	31	3	
CLARION UNIVERSITY OF PENNSYLVANIA	Pennsylvania	247	78	169	2	17	34	27	15	6	0	
LOCK HAVEN U OF PENNSYLVANIA	Pennsylvania	242	60	182	2	19	31	24	20	4	0	
MERCYHURST UNIVERSITY	Pennsylvania	241	55	186	7	15	28	28	17	5	0	
All Other Institutions		20,456	5,862	14,594	1	6	17	26	28	19	4	
Total		39,531	12,003	27,528	2	7	19	27	27	16	3	

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Section V Optional Writing Test Results

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included. Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

ACT PROFILE REPORT - State: SECTION V, OPTIONAL WRITING TEST RESULTS

Graduating Class 2014

Total Students in Report: 27,136

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Pennsylvania

Table 5.1. Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing												
			Average ACT Scores									
		N	En	glish	Es	say	English/Writing Combined					
	State National		State	National	State	National	State	National				
All Students	21,035	976,031	22.8	21.3	7.4	7.1	22.0	20.6				
Black/African American	2,157	114,263	16.2	16.4	6.3	6.3	16.1	16.3				
American Indian/Alaska Native	48	6,408	18.4	16.8	7.1	6.2	18.5	16.5				
White	14,901	520,054	23.9	23.1	7.6	7.3	23.0	22.1				
Hispanic/Latino	985	167,575	20.0	18.5	7.0	6.9	19.6	18.4				
Asian	1,182	61,663	23.1	23.7	7.6	7.7	22.5	22.9				
Native Hawaiian/Other Pac. Isl.	25	3,742	22.4	17.7	7.4	6.6	21.6	17.6				
Two or more races	583	39,565	21.5	21.4	7.3	7.1	21.0	20.7				
Prefer not/No Response	1,154	62,761	23.9	21.6	7.5	7.1	22.9	20.9				
Males	9,083	438,500	22.7	21.1	7.3	6.9	21.8	20.2				
Females	11,952	530,240	22.8	21.6	7.5	7.3	22.1	21.1				
Missing	0	7,291		16.0		5.9		15.7				